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SOURCE GOST 3297-46, 1 p, 1946.

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TECHNICAL SPECIFICATIONS OF SPECIAL USSR AUTOMOTIVE GASOLINE  
 (GOST 3297-46)

Petroleum Industry B-21

1. This standard applies to gasoline used as fuel for gasoline engines of the ZIS-110 type.

2. Special automotive gasoline must satisfy the following requirements:

<u>Physicochemical Properties</u>	<u>Index</u>	<u>Test Method</u>
1. Octane rating of gasoline without ethyl fluid, not less than	74	GOST 511-41
2. Fractional composition:		
a. Starting temperature of distillation, not lower than	35° C	GOST 2177-43
b. Ten percent distilled off at not higher than	70° C	
c. Fifty percent distilled off at not higher than	105° C	
d. Ninety percent distilled off at not higher than	165° C	
e. Ninety-seven percent distilled off at not higher than	180° C	
f. Total residue and loss, not higher than	2.5%	
g. Residue, not higher than	1.5%	

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<u>Physicochemical Properties</u>	<u>Index</u>	<u>Test Method</u>
3. Vapor tension (Reid), not above	500 mm Hg	GOST 1756-42
4. Content of natural resins per 100 ml of gasoline, not above	6 mg	GOST 1567-46
5. Induction period, not below	600 min	OST 17872-39 Method 24v
6. Sulfur content, not above	0.1%	GOST 1771-42
7. Copper-plate test	Passes	OST NKTP 7872/2292 Method 23z-37
8. Content of watersoluble acids and alkalis	None	OST NKTP 7872/2292 Method 25ye-37
9. Content of mechanical impurities and water	None	The gasoline, when poured into a glass cylinder 40-50 mm in diameter, must be transparent and must not show a sediment of foreign matter (including water)

3. Packing, shipping, storage, and receiving of special automotive gasoline is carried out in accordance with GOST 1510-45.

4. Sampling of special automotive gasoline is effected in accordance with GOST 2517-44. In the check analysis, one liter of gasoline is used.

Proposed by the Ministry of Petroleum Industry of the Eastern Regions USSR.

Approved by the All-Union Committee on Standards 30 September 1946; effective 1 October 1946.

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